

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

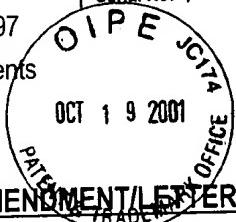
PATENT APPLICATION

Inventor(s): Se-Jin Lee  
 Appln. No.: 08 | 971,338  
 Series Code ↑ | Serial No. ↑

Group Art Ur: 1631  
 Examiner: M.P. Allen  
 Atty. Dkt. P 0241801  
 Appln. Title: GDF-1 PROTEIN

Client Ref: 1631

Filed: November 17, 1997  
 Hon. Commissioner of Patents  
 Washington, D.C. 20231



Sir:

REPLY/AMENDMENT/LETTER

Date: October 19, 2001

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim	For B & C
A. <input type="checkbox"/> NOT made	See Required
B. <input type="checkbox"/> Withdrawn	Separate Paper
C. <input type="checkbox"/> made herewith	(Pat-256)
D. <input checked="" type="checkbox"/> made previously	

	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	21	**minus 20	1	x \$18/\$9 =	+ \$9	103/203
3. Independent Claims	3	***minus 3	0	x \$84/\$42 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)			add	+ \$280/\$140 =	+ \$0	104/204
5. Original due Date: September 19, 2001	<input type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo) (2 mos) (3 mos) (Usable only for ≤ 2mo.OA --- 4 mos) (Usable only for 30 day/1mo.OA --- 5 mos)	\$110/\$55 = \$400/\$200 = \$920/\$460 = \$1,440/\$720 = \$1,960/\$980 =	+ \$55			115/215 116/216 117/217 118/218 128/228
7. Enter any previous extension fee paid since above original due date and subtract		- \$0				
8.		Extension Fee Attached	+ \$55			
9. If Terminal Disclaimer attached, add Rule 20(d) official fee		+ \$110/\$55	+ \$0			148/248
10. If IDS attached requires Official Fee under Rule 97 (c), or if Rule 97(d) Request	add add	+ \$130 + \$180	+ \$0			126 126
11. After-Final Request Fee per rules 129(a) and 17(r)		+ \$740/370	+ \$0			146/246
12. No. of additional inventions for examination per Rule 129(b)		x \$740/370 ea	+ \$0			149/249
13. Request for Continued Examination (RCE)		+ \$740/370	+ \$0			1179/1279
14. Petition fee for			+ \$0			
15.		TOTAL FEE ENCLOSED =	\$64			

16. \*If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. \*\*If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. \*\*\*If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 020055 0241801

C# M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.  
 10/22/2001 SZEWDIE1 00000022 08971338

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

02 FC:215

55.00 OP

Intellectual Property Group

By Atty: Bonnie D. Weiss

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**



In re Patent Application of

Se-Jin LEE

Application Serial No. 08/971,338

Filed: November 17, 1997

FOR: GDF-1 PROTEIN

# 20/F  
Plunkett  
10/25/01  
Group Art Unit: 1631

Examiner: M.P. Allen

RECEIVE  
OCT 23 2001  
TECH CENTER 1600/2900

**REPLY TO OFFICE ACTION**

This Reply is responsive to the Office Action dated June 19, 2001. Reconsideration of the claimed subject matter in view of the following Amendments and Remarks is respectfully requested.

**IN THE CLAIMS:**

Please add the following new claims:

*Do not enter*

--34. (New) The protein of claim 4, wherein said protein is encoded by a nucleic

*MPS*  
*10/30/01*  
acid that hybridizes under conditions of 65°C and 1M sodium chloride to DNA having the nucleotide sequence as defined in Figure 2 or Figure 11A or 11B and remains bound when subjected to washing at 68°C and 0.3 M sodium chloride/ 30 mM sodium citrate (2X SSC).

*F*  
35. (New) The process of claim 24, wherein said protein is encoded by a nucleic acid that hybridizes under conditions of 65°C and 1M sodium chloride to DNA having the nucleotide sequence as defined in Figure 2 or Figure 11A or 11B and remains bound when subjected to washing at 68°C and 0.3 M sodium chloride/ 30 mM sodium citrate (2X SSC).--

10/22/2001 SZENDIE1 00000022 08971338

01 FC:203

9.00 DP